Doc description: Information Disclosure Statement (IDS) Filed

Approved for use through 09/30/2008. OMB 0651-0031

Ormation Disclosure Statement (IDS) Filed

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

	Application Number		10825898	
	Filing Date		2004-04-15	
INFORMATION DISCLOSURE	First Named Inventor	Boyle	, William J.	
STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)	Art Unit		1644	
(Not for Submission under 57 of K (1.99)	Examiner Name	Name Schwadron, Ronald B.		,
	Attorney Docket Number		A-451N IDS#3-090309	

U.S.PATENTS										
Examiner Initial*	Cite No	Patent Number	Kind Code ¹	Issue D)ate	of cited Document		Relev	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear	
	1		-							
If you wis	h to a	dd additional U.S. Pater	nt citatio	n inform	ation pl	ease click the	Add button.			
U.S.PATENT APPLICATION PUBLICATIONS										
Examiner Initial*	Cite No	Publication Number	Kind Code ¹	Publica Date	ition	of cited Document		Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear		
	1									
If you wisl	h to ac	ld additional U.S. Publis	shed Ap	plication	citation	n information p	lease click the Add	d butto	n.	
				FOREIC	SN PAT	ENT DOCUM	ENTS	,		
Examiner Initial*	Cite No	Foreign Document Number³	Country Code ² i	<i>'</i>	Kind Code ⁴	Publication Date	Name of Patentee Applicant of cited Document	e or	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear	T5
	1	WO 01/23549	WO		A1	2001-04-05	Xu et al.			
If you wisl	n to ac	ld additional Foreign Pa	itent Do	cument	citation	information pl	ease click the Add	button		
NON-PATENT LITERATURE DOCUMENTS										
Examiner Initials* Cite No Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc), date, pages(s), volume-issue number(s), publisher, city and/or country where published.								T5		

(Not for submission under 37 CFR 1.99)

Application Number		10825898			
Filing Date		2004-04-15			
First Named Inventor Boyle		, William J.			
Art Unit		1644			
Examiner Name Schw		adron, Rona	ald B.		
Attorney Docket Number		A-451N	IDS#3-090309		

1	EMBL-EBI Database Entry HS421358, Accession No. W74421, Homo Sapiens cDNA clone IMAGE:346544 3' similar to contains Alu repetitive element; Hillier et al. (June 1996)	
2	Galibert et al., "The involvement of multiple tumor necrosis factor receptor (TNFR)-associated fctors in the signaling mechanisms of receptor activator of NF-kB, a member of the TNFR superfamily", J. Biol. Chem., 273(51): 34120-34127 (1998)	
3	Goh et al., "Aspartic acid 50 and tyrosine 108 are essential for receptor binding and cytotoxic activity of tumour necrosis factor beta (lymphotoxin)", Protein Engineering, 4(7): 785-791 (1991)	
4	Gray et al., "P-Element-induced recombination in Drosophila melanogaster: hybrid element insertion", Genetics, 144 (4): 1601-1610 (1996)	
5	Itoh et al., "The polypeptide encoded by the cDNA for human cell surface antigen fas can mediated apoptosis", Cell, 66: 233-243 (1991)	
6	Jakobovits, A., "Production of fully human antibodies by transgenic mice", Current Opinion in Biotechnology, 6: 561-566 (1995)	
7	Johnson et al., "Expression and structure of the human NGF receptor", Cell, 47: 545-554 (1986)	
8	Jones et al., "The structure of tumour necrosis factor-implications for biological function", J. Cell Sci., Suppl. 13: 11-18 (1990)	
9	Kodaira et al., "Cloning and characterization of the gene encoding mouse osteoclast differentiation factor", Gene, 230: 121-127 (1999)	
10	Kwon et al., "cDNA sequences of two inducible T-cell genes", Proc. Natl. Acad. Sci. USA, 86: 1963-1967 (1989)	
11	Lacey et al., "Osteoprotegerin ligand is a cytokine that regulates osteoclast differentiation and activation", Cell, 93: 165-176 (1998)	

(Not for submission under 37 CFR 1.99)

Application Number	10825898				
Filing Date	2004-04-15				
First Named Inventor	, William J.				
Art Unit	1644				
Examiner Name	adron, Ron	ald B.			
Attorney Docket Numb	A-451N	IDS#3-090309			

12	Lonberg et al., "Human antibodies from transgenic mice", Intern. Rev. Immunol., 13: 65-93 (1995)	
13	Mallett et al., "Characterization of the MRC OX40 antigen of activated CD4 positive T lymphocytesa molecule related to nerve growth factor receptor", EMBO J., 9: 1063-1068 (1990)	
14	NCBI Sequence Viewer, Marra et al., The WashU-HHMI Mouse EST Project, GenBank Accession No. AA170348 (Feb. 16, 1997)	
 15	Nakagawa et al., "RANK is the essential signaling receptor for osteoclast differentiation factor in osteoclastogenesis", Biochem. Biophys. Res. Commun., 253: 395-400 (1998)	
16	Romani et al., "Proliferating dendritic cell progenitors in human blood", J. Exp. Med., 180: 83-93 (1994)	
17	Rothe et al., "The TNFR2-TRAF signaling complex contains two novel proteins related to baculoviral inhibitor of apoptosis proteins", Cell, 83: 1243-1252 (1995)	
 18	Scall et al., "Molecular cloning and expression of a receptor for human tumor necrosis factor", Cell, 61: 361-370 (1990)	-
19	Stamenkovic et al., "A B-lymphocyte activation molecule related to the nerve growth factor receptor and induced by cytokines in carcinomas", EMBO J., 8: 1403-1410 (1989)	
20	Suda et al., "Modulation of Osteoclast Differentiation", Endocr. Rev., 13: 66-80 (1992)	
21	Suda et al., "Modulation of osteoclast differentiation: Update 1995", Endocr. Rev. Monograph, 4(1): 266-270 (1995)	
22	Takahashi et al., "A new member of tumor necrosis factor ligand family, ODF/OPGL/TRANCE/RANKL, Regulates osteoclast differentiation and function", Biochem. Biophys. Res. Comm., 256: 449-455 (1999)	

(Not for submission under 37 CFR 1.99)

Application Number		10825898			
Filing Date		2004-04-15			
First Named Inventor	irst Named Inventor Boyle		William J.		
Art Unit		1644			
Examiner Name	Schw	adron, Rona	ald B.		
Attorney Docket Number		A-451N	IDS#3-090309		

		·							
	23	Tsukii et al., "Osteoclast differentiation factor mediates an essential signal for bone resorption induced by 1alp dihydroxyvitamin D3, prostaglandin E2, or parathyroid hormone in the microenvironment of bone", Biochem. B Res. Comm., 246: 337-341 (1998)	oha,25- Biophys.						
	24	Viney et al., "Expanding dendritic cells in vivo enhances the induction of oral tolerance", J. Immunol., 160: 5815-5825 (1998)							
	25	Wong et al., "TRANCE is a novel ligand of the tumor necrosis factor receptor family that activates c-Jun N-tern kinase in T cells", J. Biol. Chem., 272(40): 25190-25194 (1997)	ninal						
	26	Wong et al., "TRANCE (Tumor Necrosis Factor [TNF]-related activation-induced cytokine), a new TNF family n predominantly expressed in T cells, is a dendritic cell-specific survival factor", J. Exp. Med., 186: 2075-2080 (1	member 997)						
	27	Xu et al., "Targeted disruption of TRAF3 leads to postnatal lethality and defective T-dependent immune respor Immunity, 5: 407-415 (1996)	nses",						
	28	Yun et al., "OPG/FDCR-1, a TNF receptor family member, is expressed in lymphoid cells and is up-regulated by ligating CD40", Immunol., 161: 6113-6121 (1998)							
	29	Goeddel, D. V., ed., Methods in Enzymology, v. 185, Academic Press, (1990)							
	30	Kuby, Janis, Immunology, "Cross-Reactivity" Chapter, Publisher: W. H. Freeman and Company, New York, pg. (1992)	. 125,						
	31	Suda et al., "Modulation of Osteoclast Differentiation by Local Factors", Bone, 17(2), Supplement: 87S-91S (19	995)						
If you wish	i to ad	d additional non-patent literature document citation information please click the Add button							
		EXAMINER SIGNATURE							
Examiner		// tohau ochwaurch/ 09/15/2008							
*EXAMINE citation if r	ER: Ini	ial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line thro onformance and not considered. Include copy of this form with next communication to applicant.	ough a						

(Not for submission under 37 CFR 1.99)

Application Number		10825898				
Filing Date	2004-04-15					
First Named Inventor	Boyle	, William J.				
Art Unit		1644	1644			
Examiner Name	adron, Ron	ald B.				
Attorney Docket Numb	A-451N	IDS#3-090309				

¹ See Kind Codes of USPTO Patent Documents at www.USPTO.GOV or MPEP 901.04. ² Enter office that issued the document, by the two-letter code (WIPO Standard ST.3). ³ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁴ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁵ Applicant is to place a check mark here if English language translation is attached.